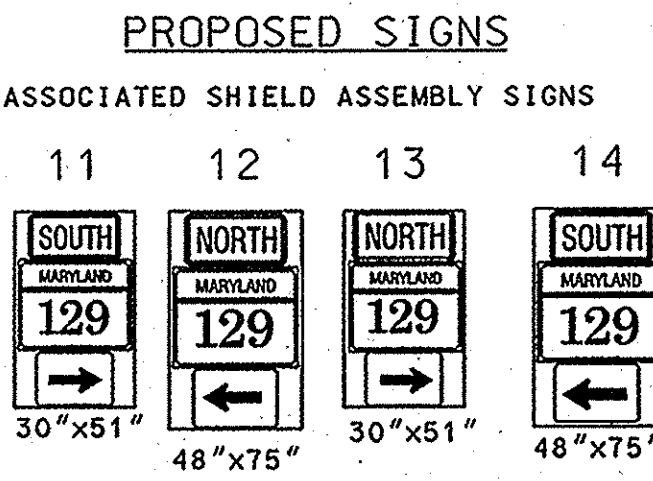
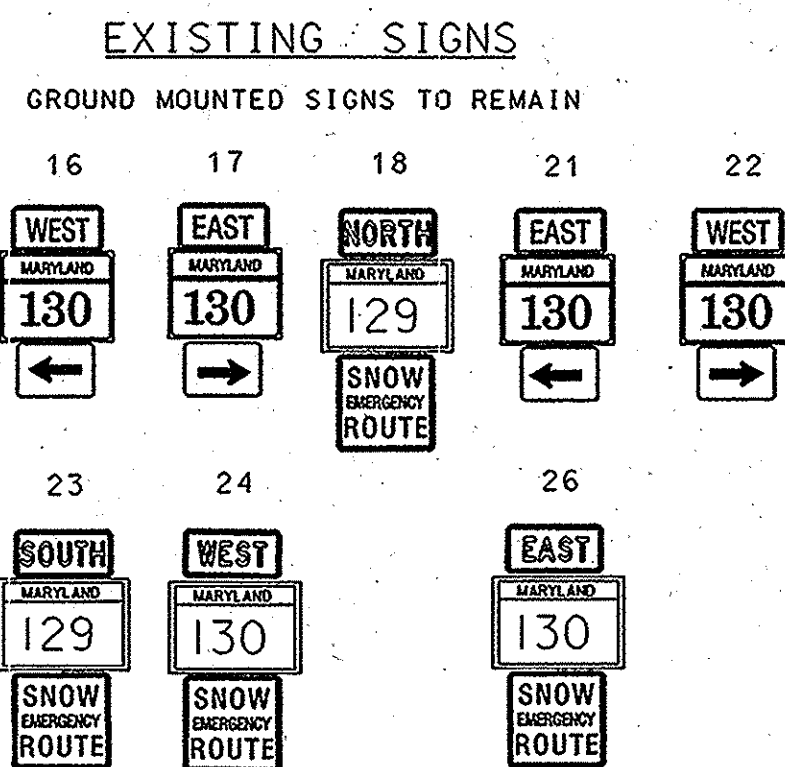
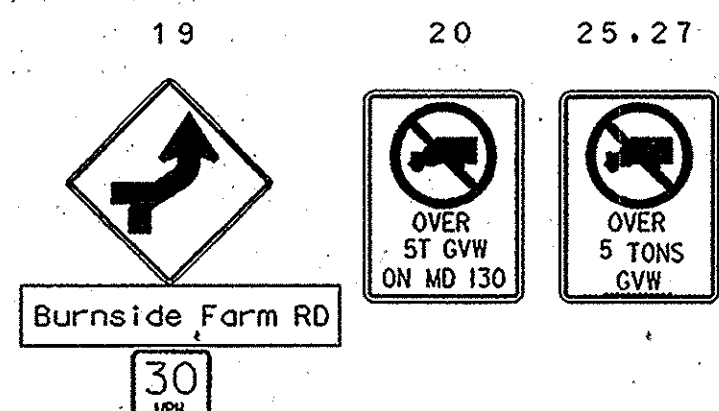
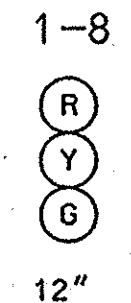


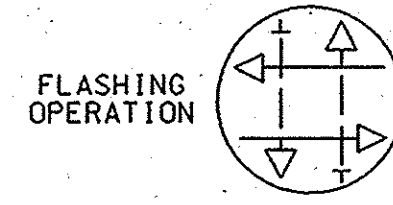
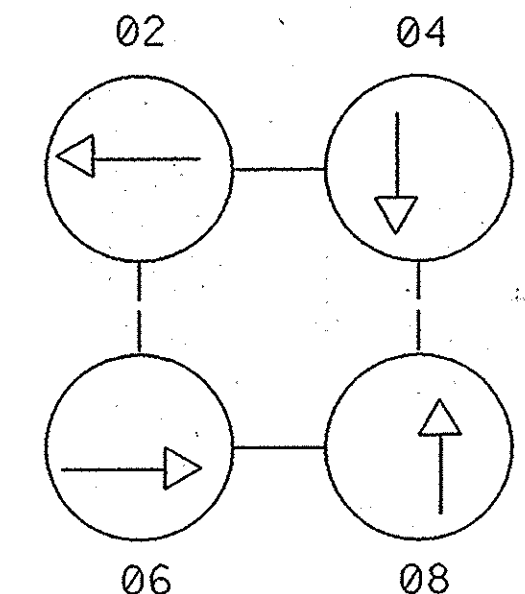
MD 129 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION



PROPOSED LED
SIGNAL HEADS



NEMA PHASING

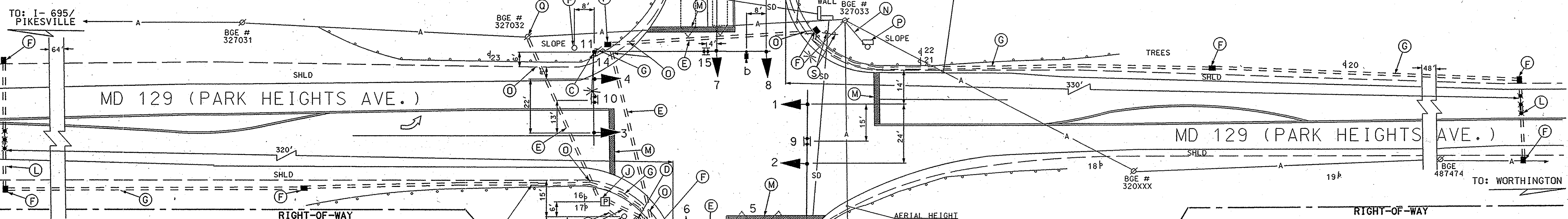


PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

CONSTRUCTION DETAILS

- A. INSTALL 27' STEEL POLE WITH 70' MAST ARM (CUT TO 64'), TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, AND SIGNS. 15' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE. (NOTE: 1-3" 90° PVC BEND).
- B. INSTALL 27' STEEL POLE WITH 50' MAST ARM (CUT TO 40'), TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, SIGNS. (NOTE: 1-3" 90° PVC BEND).
- C. INSTALL 27' STEEL POLE WITH TWIN 70' X 50' MAST ARMS (50' CUT TO 36'), TRAFFIC SIGNAL HEADS, VIDEO DETECTION CAMERA, SIGNS, AND 15' LIGHTING ARM WITH 250 WATT HPS LUMINAIRE. (NOTE: 1-3" 90° PVC BEND).
- D. INSTALL NEMA CONTROLLER WITH ALL NECESSARY EQUIPMENT HOUSED IN A SIZE '6' BASE-MOUNTED CABINET. (NOTE: 2-4" & 2-2" 90° PVC BENDS).

SHA PROPERTY



CONSTRUCTION DETAILS conts.

- E. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT- SLOTTED.
- F. INSTALL HANDHOLE.
- G. INSTALL 3" SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED.
- H. DETECTOR ZONE FOR VIDEO CAMERA.
- J. INSTALL METERED SERVICE PEDESTAL (NOTE: 2-2" AND 1-4" PVC BENDS).
- K. INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED.
- L. INSTALL NON-INVASIVE DETECTION PROBES WITH 500' LEAD-IN CABLE TO CONTROLLER, INSIDE 3" SCHEDULE 80 RIGID PVC CONDUIT- BORED.
- M. INSTALL PROPOSED 24" WHITE PAVEMENT MARKINGS FOR THE STOP LINE, AS SHOWN.
- N. REMOVE EXISTING ELECTRICAL SERVICE FEED.
- O. INSTALL 4" SCHEDULE 80 RIGID PVC CONDUIT- TRENCHED.
- P. REMOVE EXISTING POLE, ALL ATTACHED EQUIPMENT, AND THE FOUNDATION 12" BELOW GROUND GRADE. CAP AND ABANDON EXISTING CONDUIT.
- Q. USE EXISTING UTILITY POLE NO. 327032 FOR THE INSTALLATION OF THE PROPOSED UNDERGROUND SERVICE FEED. INSTALL 1' STUB OF 4" CONDUIT WITH A PULL STRING AT THE POLE BASE.
- R. USE EXISTING UTILITY POLE NO. 258431 FOR THE INSTALLATION OF THE PROPOSED UNDERGROUND PHONE DROP. INSTALL 1' STUB OF 2" CONDUIT WITH A PULL STRING AT THE POLE BASE.
- S. REMOVE EXISTING GROUND-MOUNTED MD 129 ASSEMBLY SIGNS.

GENERAL NOTES:

1. ALL UNDERGROUND UTILITIES SHOWN ON THE PLAN ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES A CONFLICT BETWEEN THE UTILITIES AND THE SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
2. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS TO MEET CLEARANCES AS SPECIFIED IN MD 816.03; MD 818.01; MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
3. THE CONTRACTOR SHALL CONTACT MR. ROBERT SNYDER, OOTS-TOD AT 410-787-7631, TO ARRANGE FOR THE TELEPHONE DROP. THE CONTRACTOR SHALL NOTIFY MR. SNYDER SEVENTY-TWO (72) HOURS IN ADVANCE OF THE PROJECT COMPLETION AND PROVIDE THE NEAREST ADDRESS.
4. ALL PAVEMENT MARKINGS DETAILED ARE PROPOSED AND SHALL BE INSTALLED IN ACCORDANCE WITH SHA STANDARDS.

TOD NO: AT15-35
SHA NO: BA617A52/BS2
MD 129@MD 130

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL PLAN
MD 129 (PARK HEIGHTS AVE.) AND
MD 130 (GREENSPRING VALLEY RD.)

APPROVALS	REVISIONS
TEAM LEADER	RECONSTRUCT TO MAST ARM 6-13-07 VIDEO DET & PROBES SHA NO. AT15-35/BS2 TMS # H 615
ASST. DIR. CHIEF	B REPAIR LOOP DETECTORS 10-93 SHA NO. 1: AW 579-501-085
DIVISION CHIEF	DLS RCS A AS BUILT 7-11-72
OFFICE DIRECTOR	BM

CENTURY
ENGINEERING
CONSULTING ENGINEERS - PLANNERS
10710 GILROY ROAD
HUNT VALLEY, MD 21031

REVISION 'C' 25003.21

DESIGNED BY WES GUCKERT	COUNTY BALTIMORE
DRAWN BY WES GUCKERT	LOGMILE 030129002.98
CHECKED BY WILLIAM FITCH	TMS NO. H 615
FAP NO.	TOD NO.
TS NO. 752 C	DRAWING - OF
SHEET NO. 1	OF 2

PLOTTED: Tuesday, June 12, 2007 AT 04:02 PM
FILE: C:\TRANSDWG\25003\25003.dwg MD129 MD130.dgn

BY: emilesky